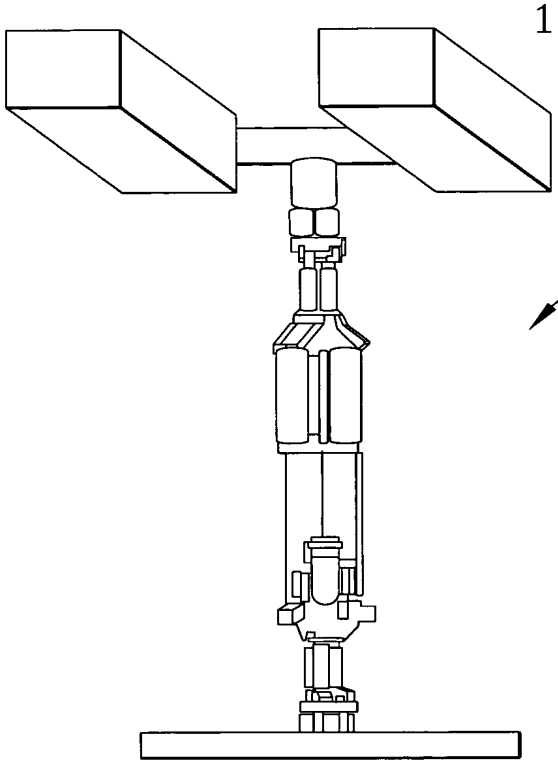


*FIG.1a*
*PRIOR ART*

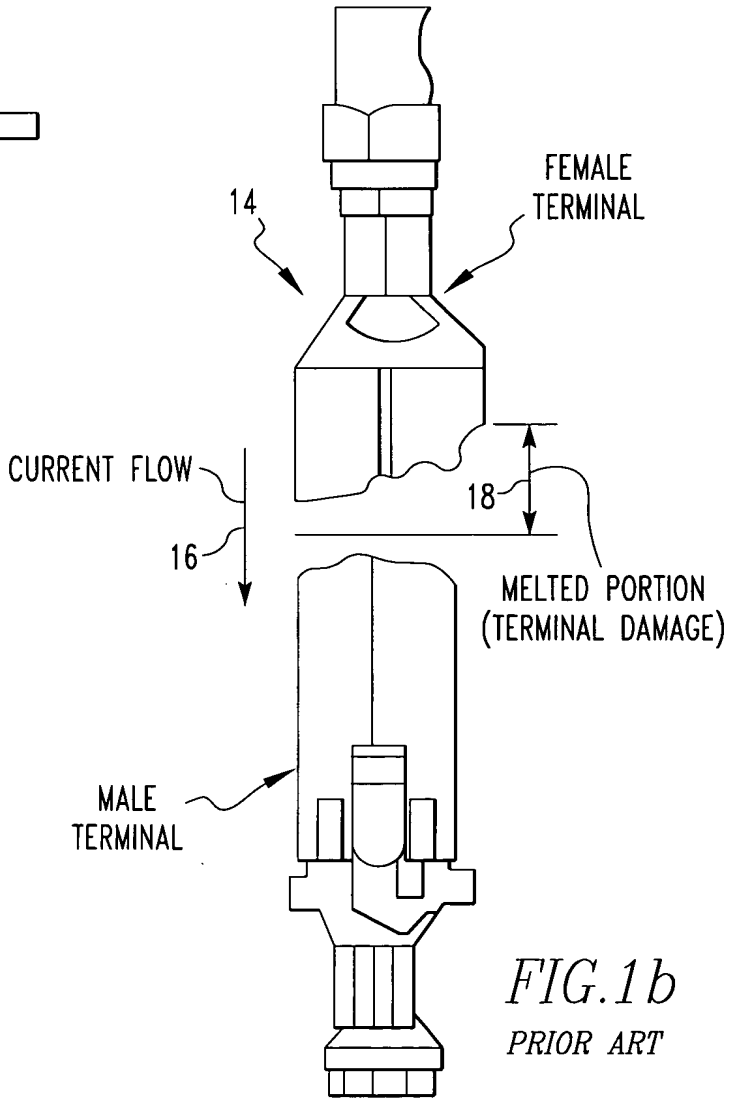


*FIG.1b*
*PRIOR ART*

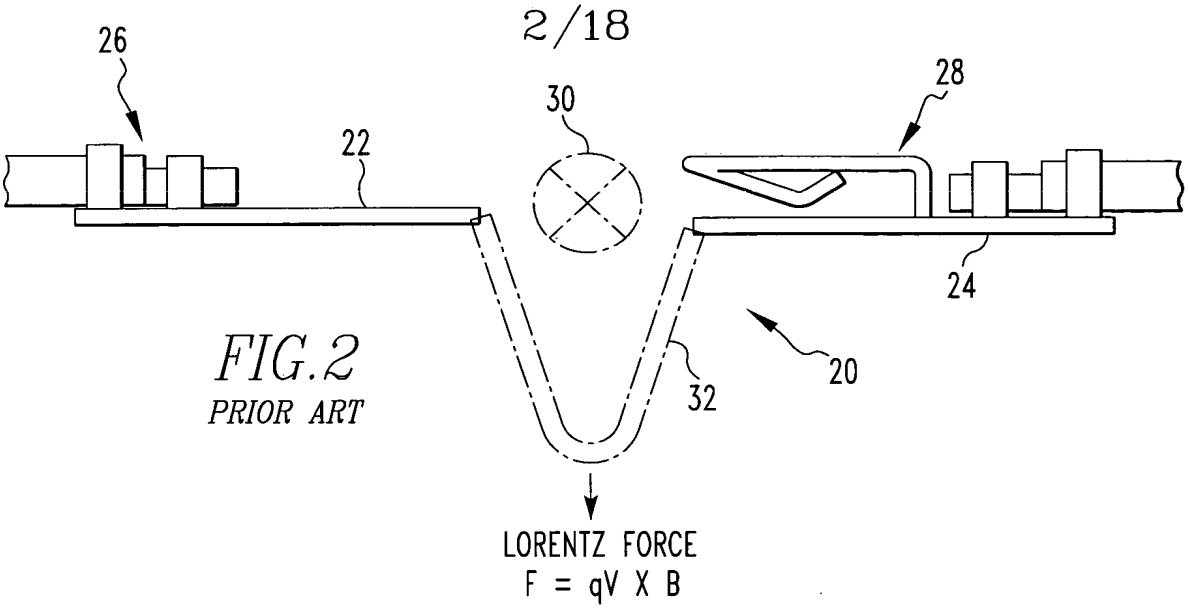


*FIG.2*
*PRIOR ART*

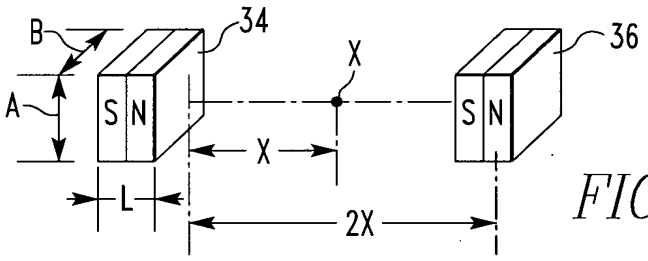


*FIG.3a*

MAGNETIC FLUX DENSITY AT POINT : 38

$$B(x) = \frac{2Br}{\pi}\left\{\tan^{-1}\frac{AB}{2x\sqrt{4x^2+A^2+B^2}} - \tan^{-1}\frac{AB}{2(L+x)\sqrt{4(L+x)^2+A^2+B^2}}\right\}$$

*FIG.3b*

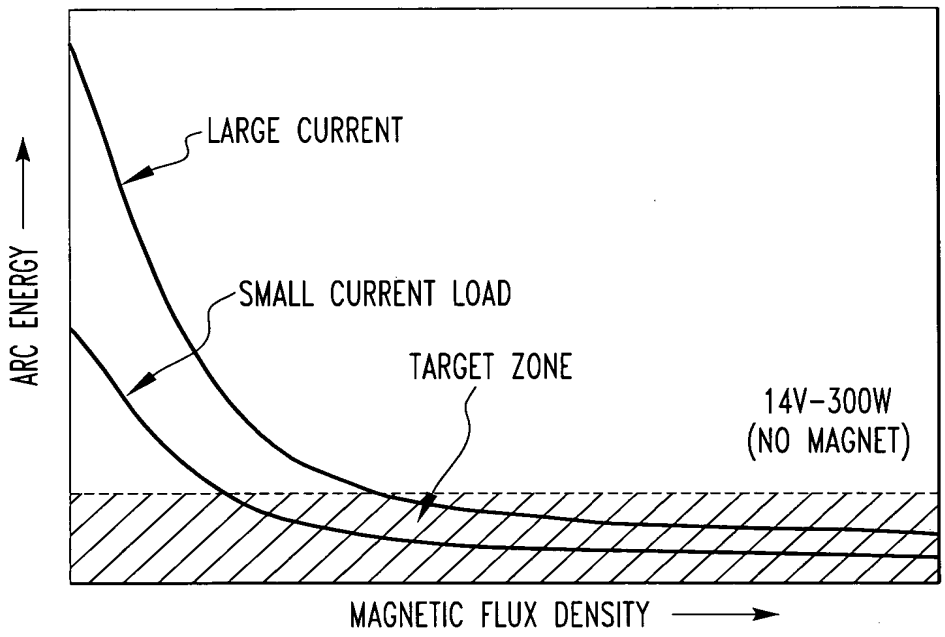


*FIG.3c*

*PRIOR ART*

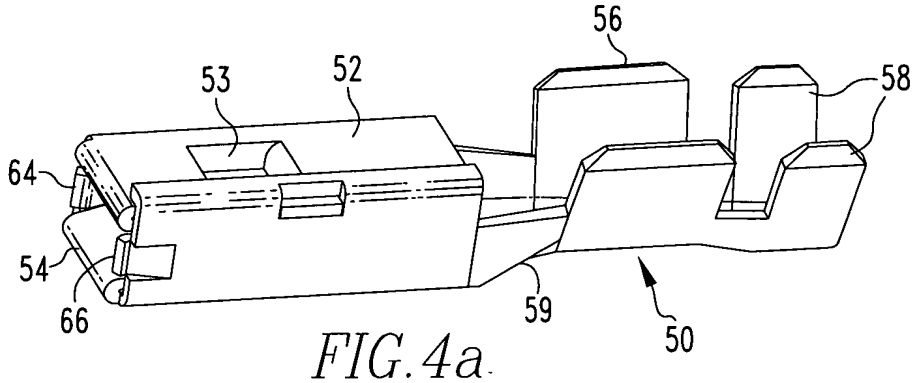


FIG.4a

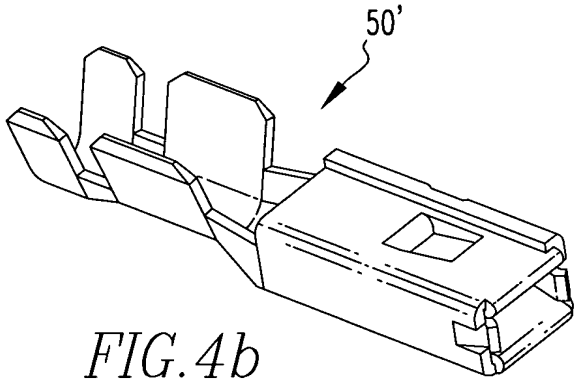


FIG.4b

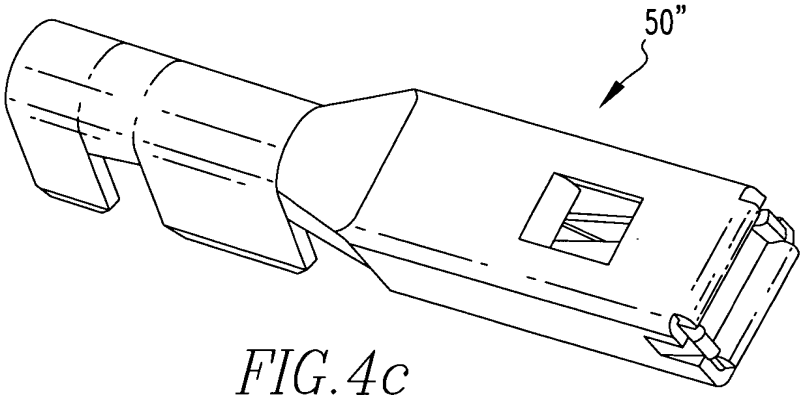


FIG.4c

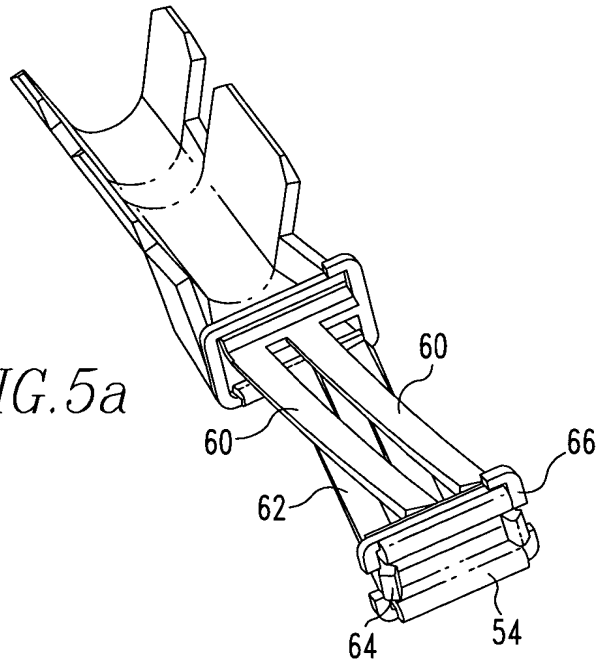


FIG.5a

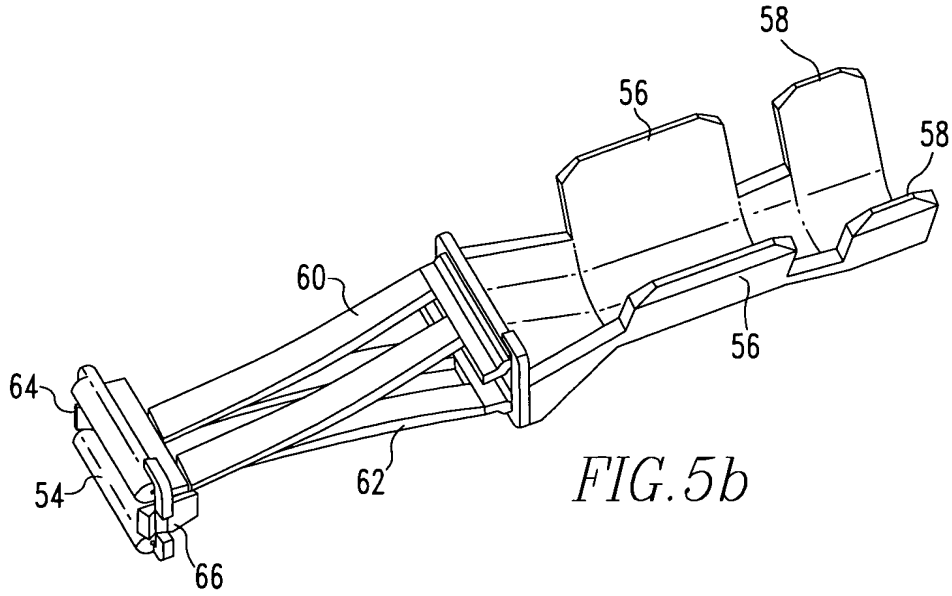


FIG.5b

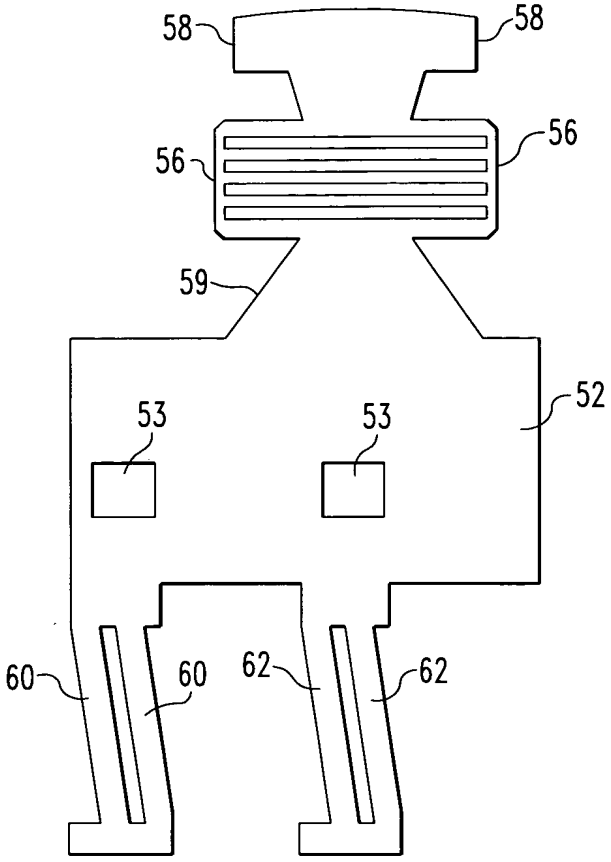


FIG. 6

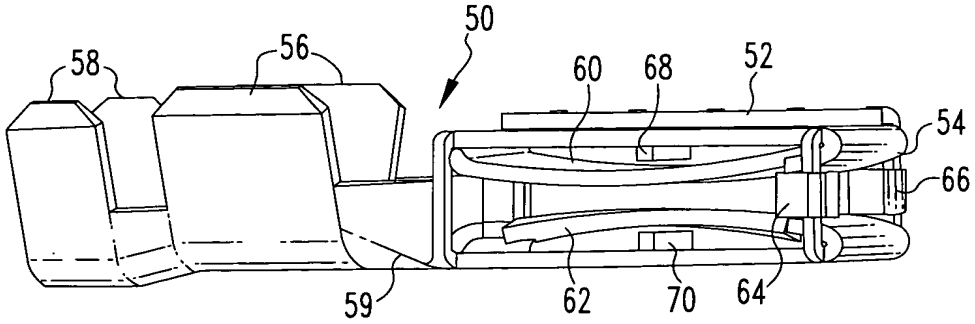


FIG. 7

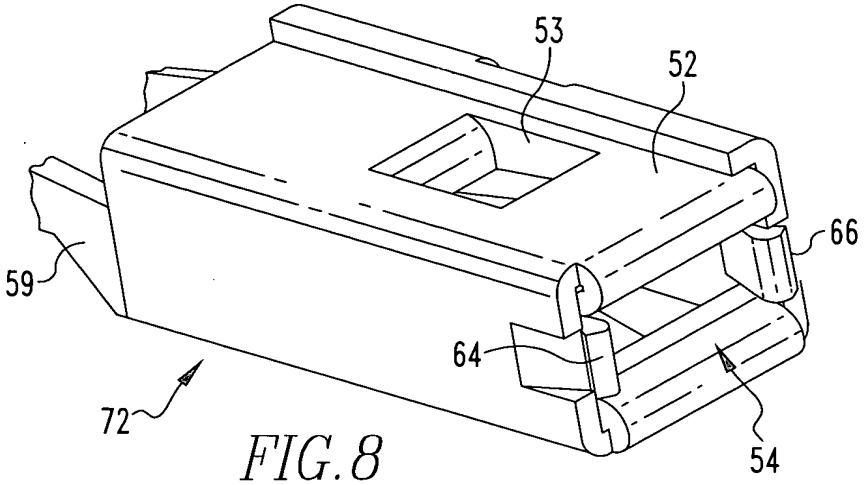


FIG.8

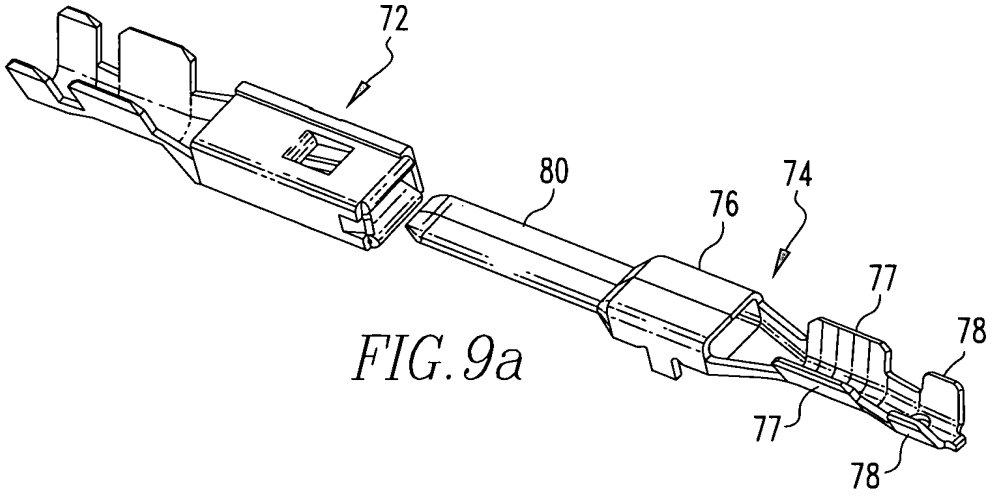


FIG.9a

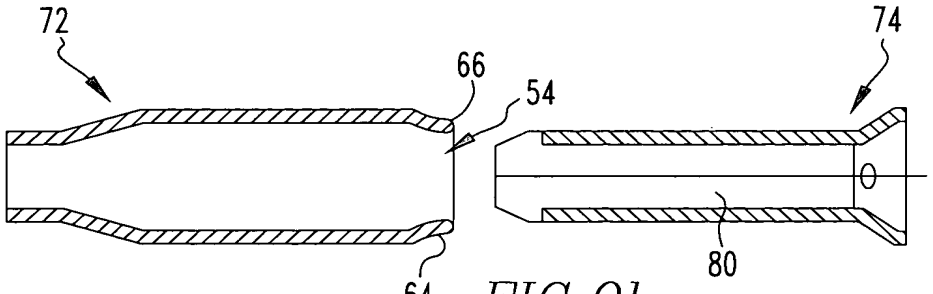


FIG.9b

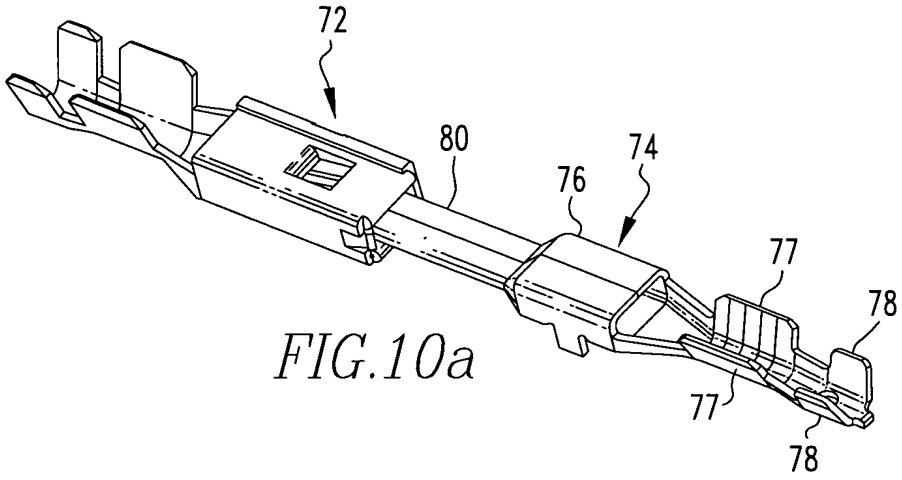


FIG.10a

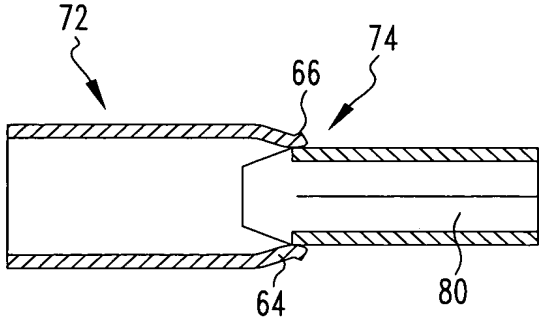


FIG.10b

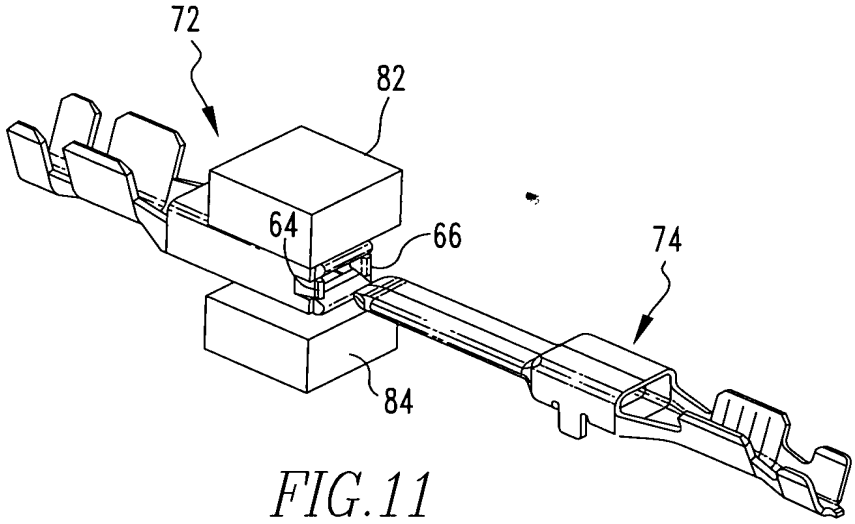


FIG.11

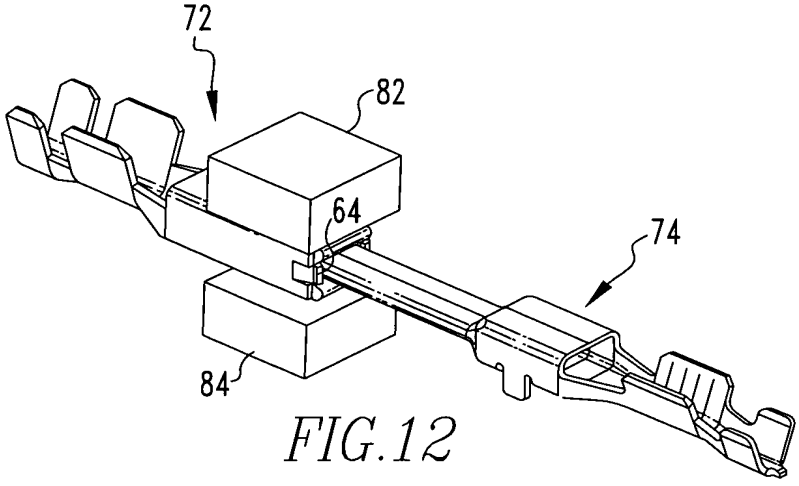


FIG.12

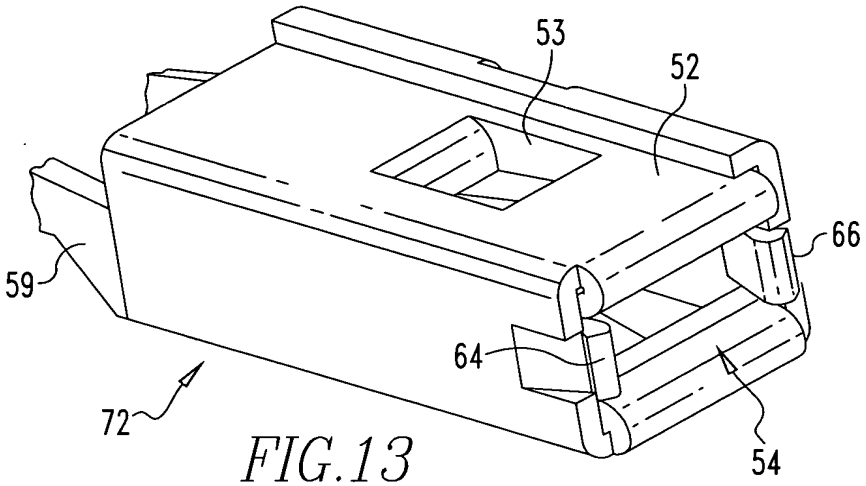


FIG.13

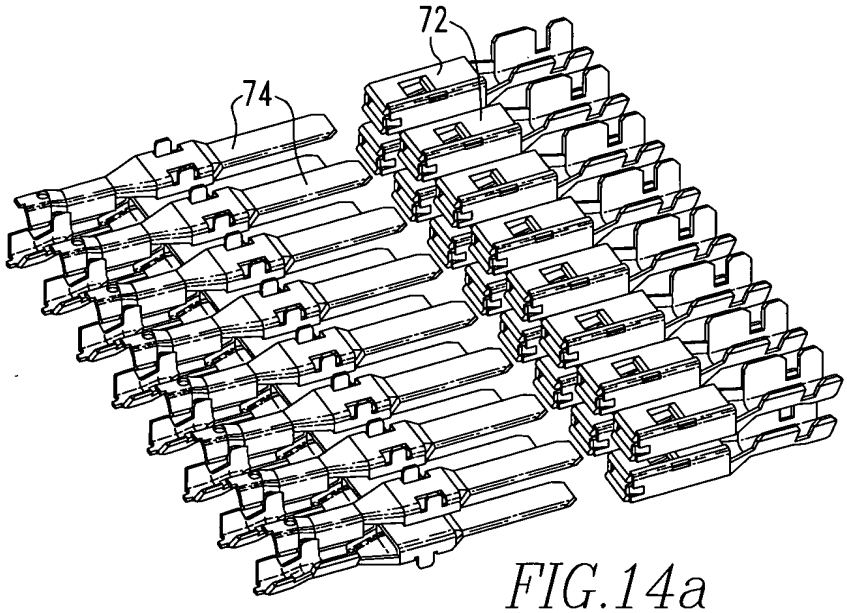


FIG.14a

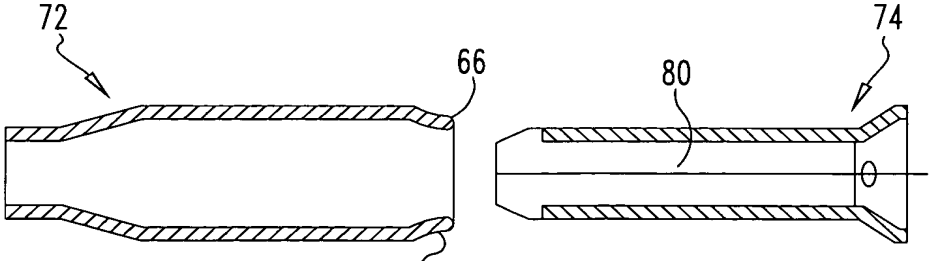


FIG.14b

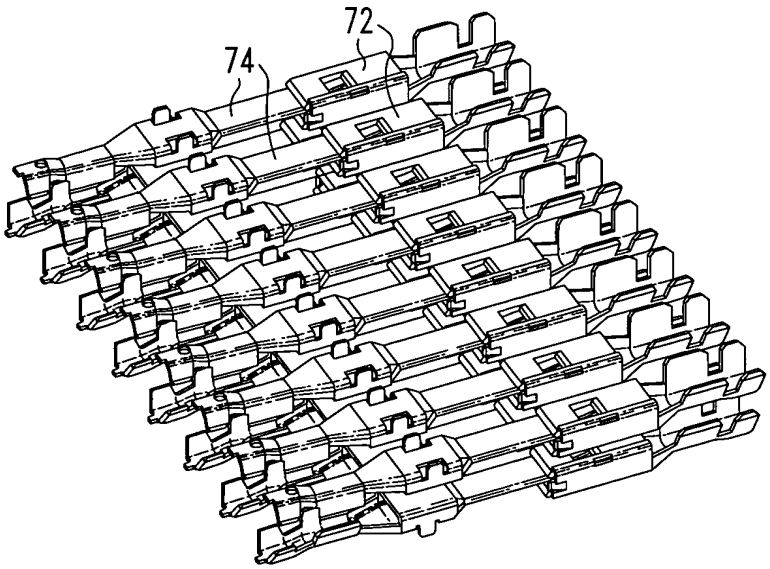


FIG.15a

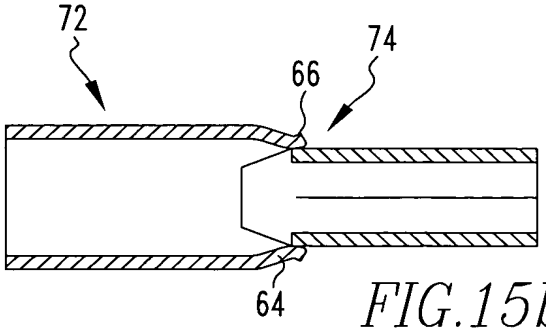


FIG.15b

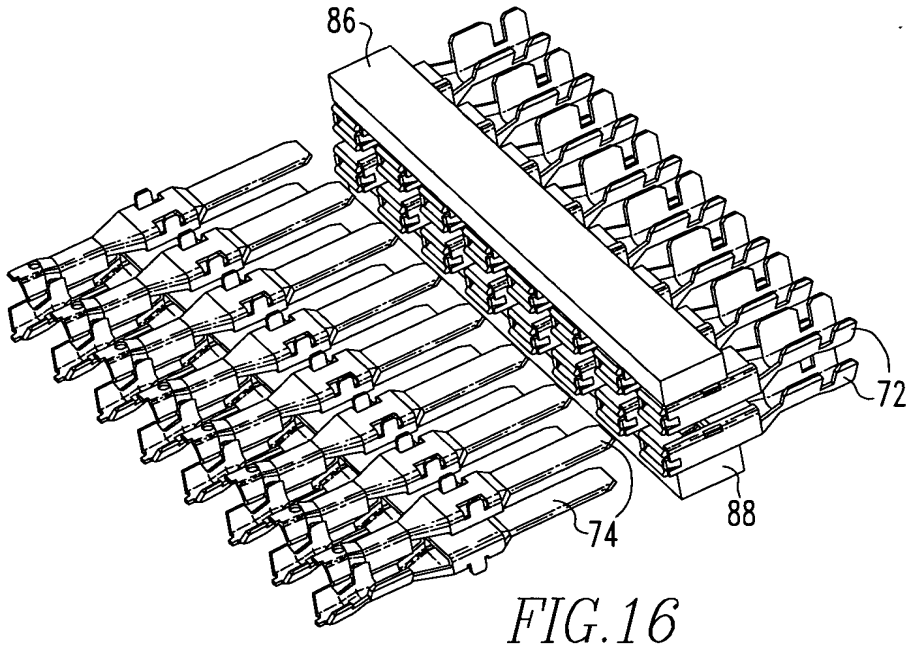


FIG.16

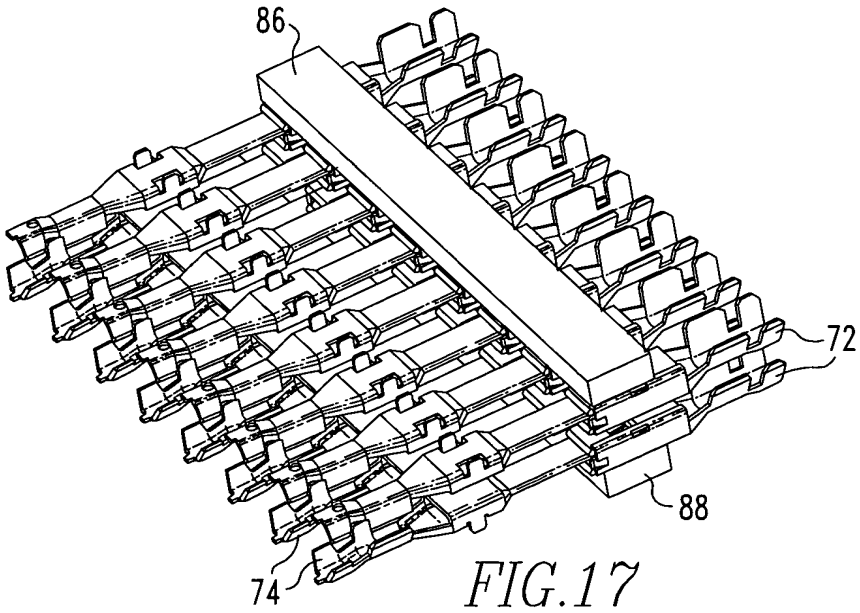


FIG.17

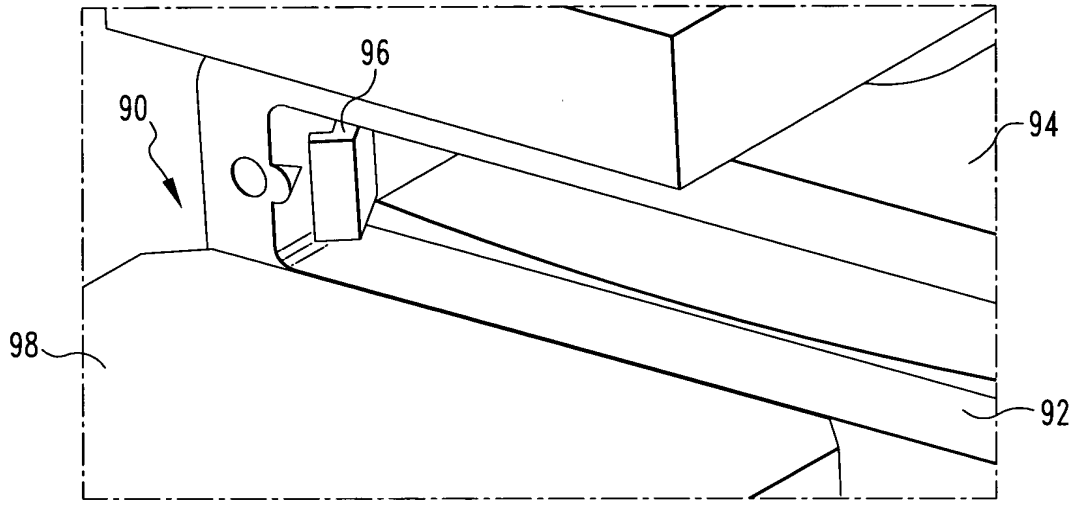


FIG.18

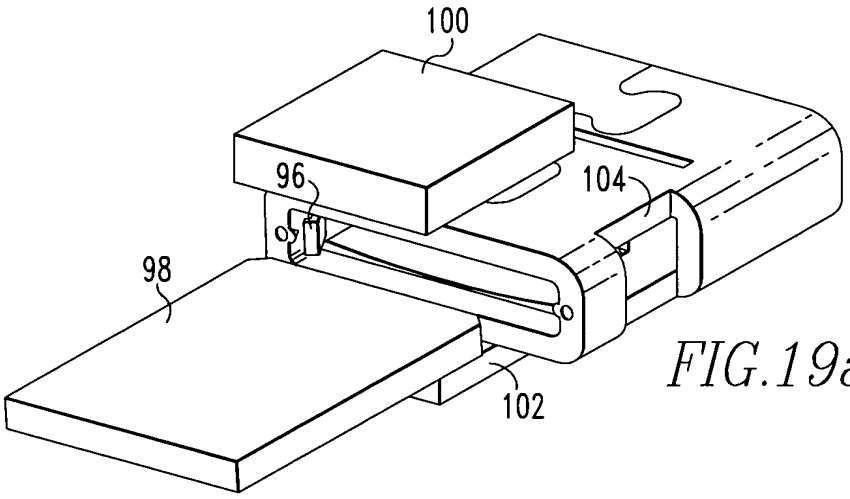


FIG.19a

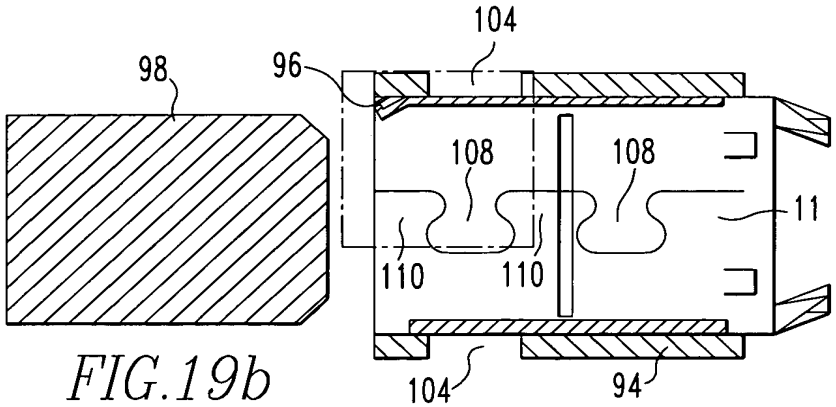


FIG.19b

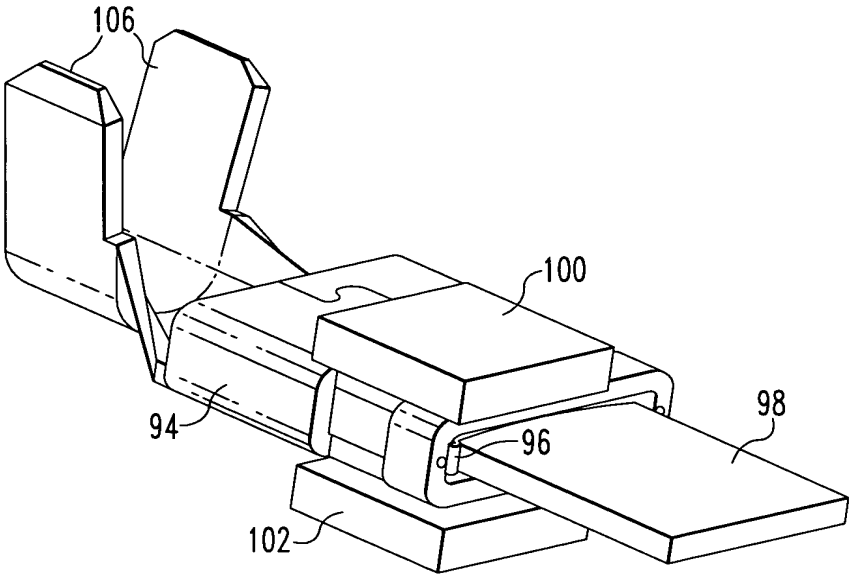


FIG.20a

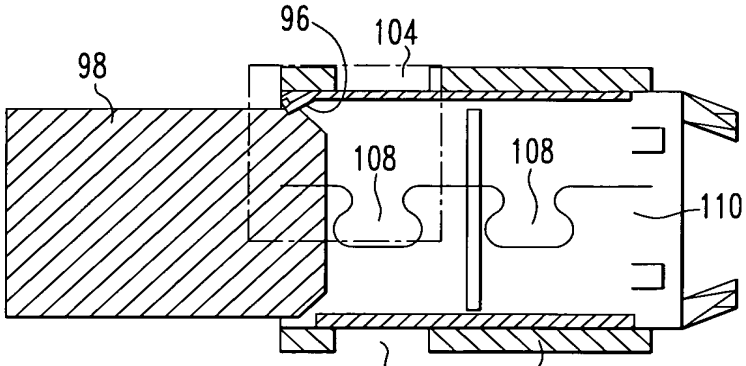


FIG.20b

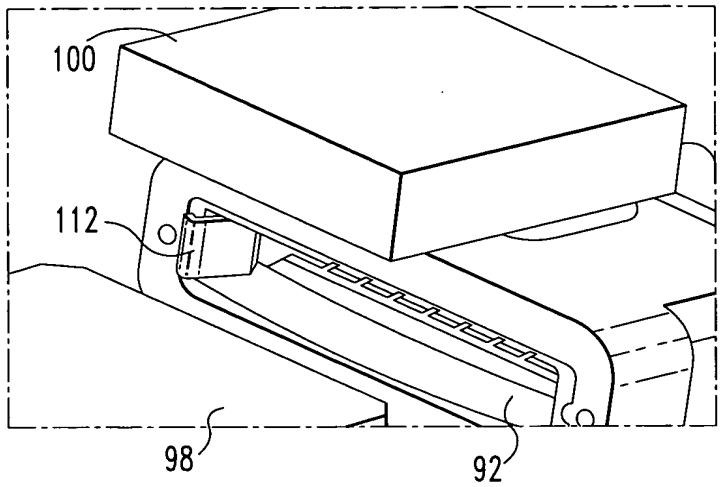


FIG.21

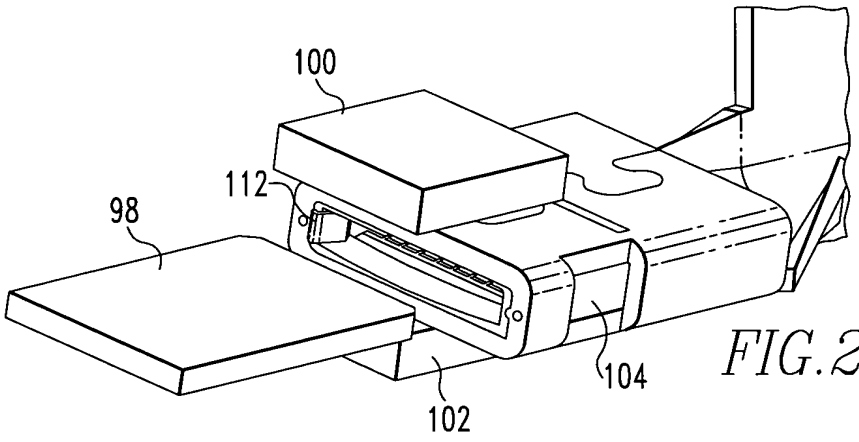


FIG.22a

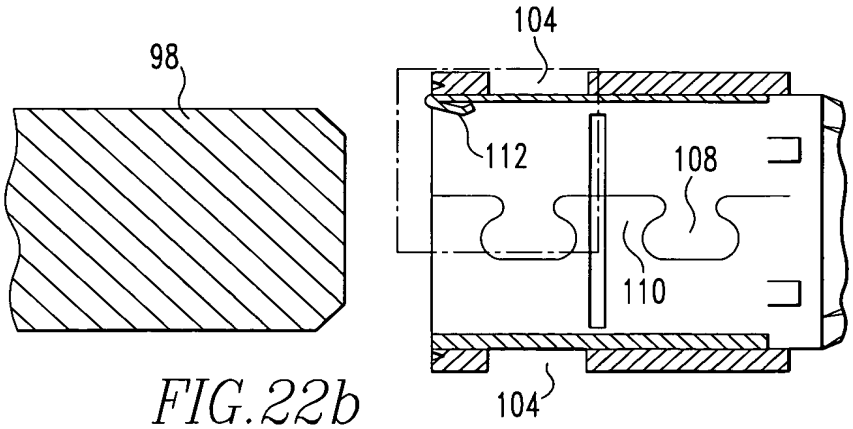


FIG.22b

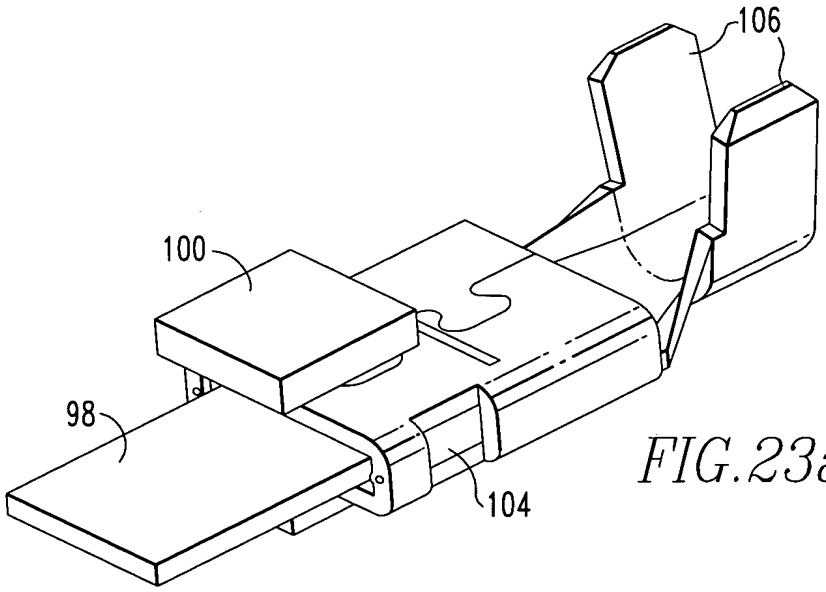


FIG.23a

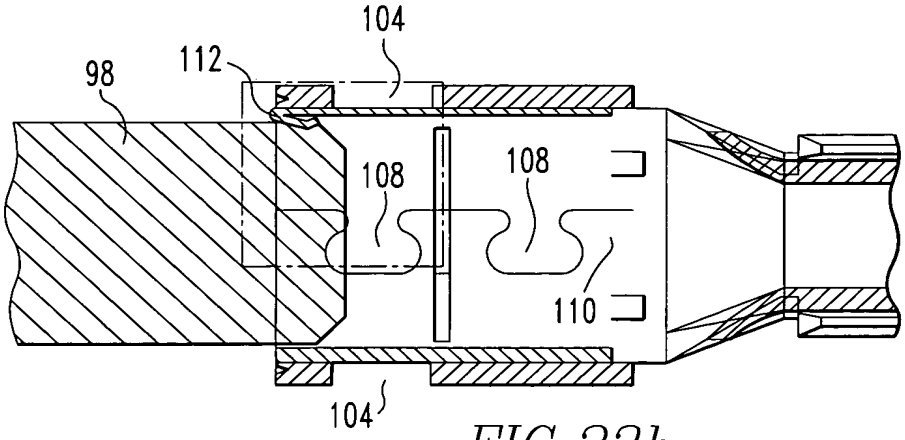


FIG.23b

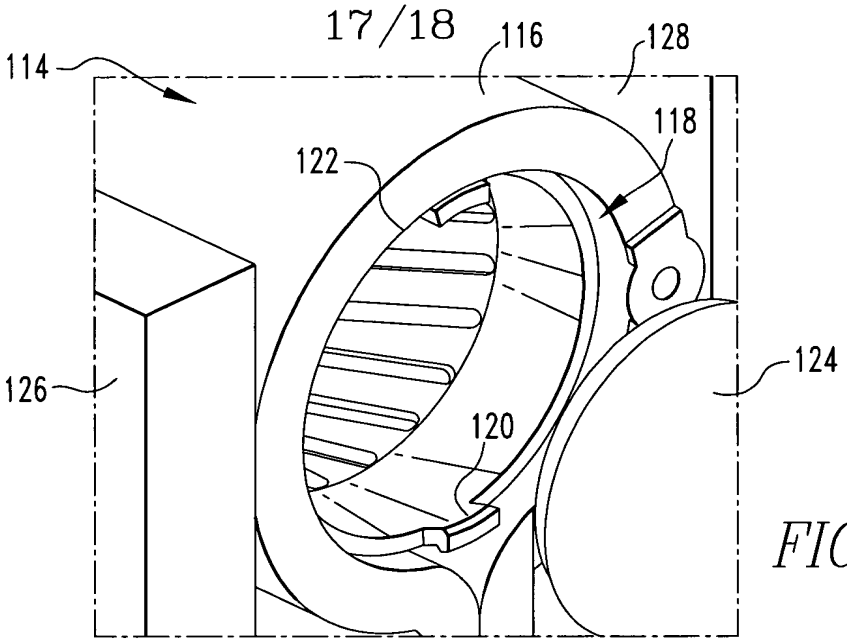


FIG.24

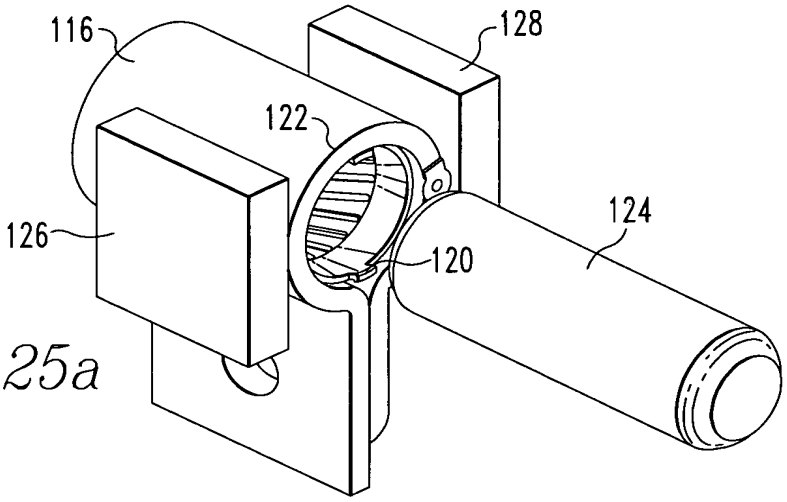


FIG.25a

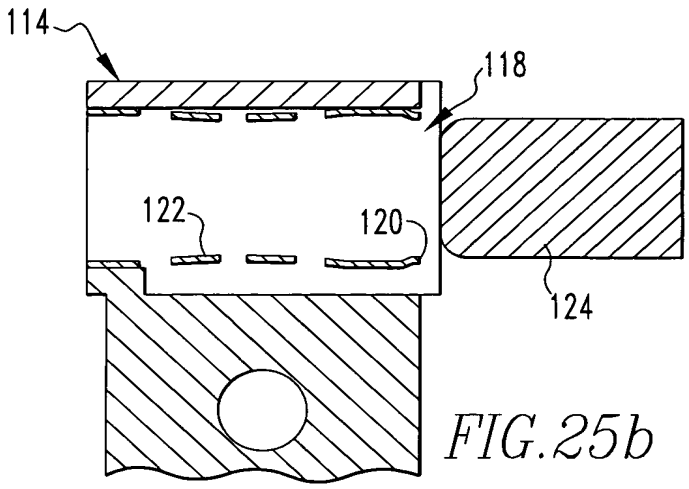


FIG.25b

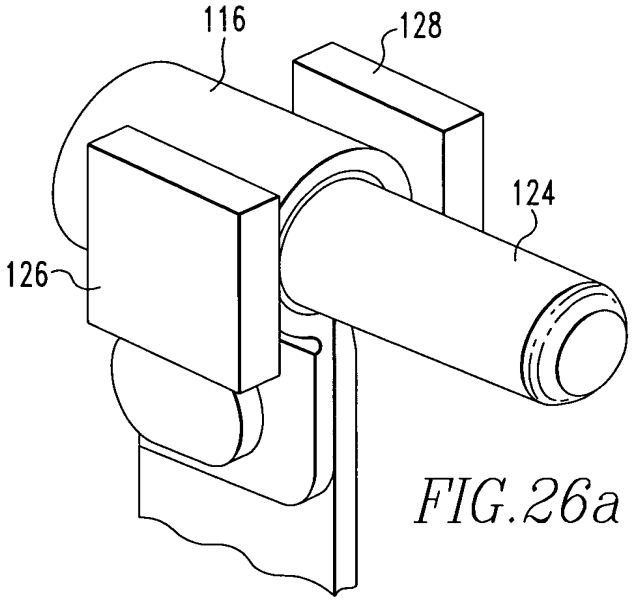


FIG.26a

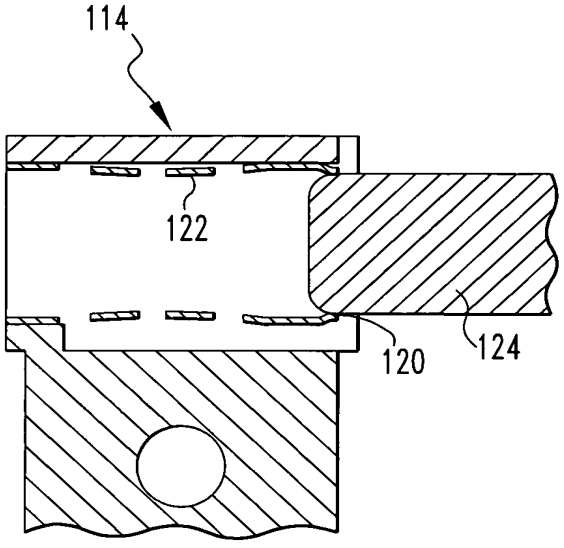


FIG.26b